

In the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

5

1. (Canceled)

3. (Canceled)

10 4. (Canceled)

5. (Canceled)

6. (Canceled)

15

7. (Canceled)

8. (Canceled)

20 9. (Canceled)

10. (Canceled)

11. (Canceled)

25

12. (Canceled)

13. (Canceled).

30 14. (Canceled)

15. (Canceled)

16. (Canceled)

5 17. (Canceled)

18. (Canceled)

19. (Original) A fuel system for a marine propulsion device, comprising:

10 an engine;

a fuel storage reservoir configured to contain fuel for use by said engine, said fuel storage reservoir being connected in fluid communication with said engine;

a Peltier-effect device disposed in thermal communication with said fuel to remove heat from said fuel; and

15 a secondary heat exchanger connected in thermal communication with said Peltier-effect device, said secondary heat exchanger connecting said Peltier-effect device in thermal communication with a stream of water.

20. (Original) The fuel system of claim 19, further comprising:

20 a fuel pumping module connected in fluid communication between said fuel storage reservoir and said engine.

21. (Original) The fuel system of claim 20, further comprising:

25 a low pressure fuel conduit connected in fluid communication between said fuel storage reservoir and said fuel pumping module, said Peltier-effect device being connected in thermal communication with said low pressure fuel conduit.

22. (Original) The fuel system of claim 20, further comprising:

30 a high pressure fuel conduit connected in fluid communication between said fuel pumping module and said engine, said Peltier-effect device being connected in thermal communication with said high pressure fuel conduit.

23. (Original) The fuel system of claim 20, further comprising:

a low pressure fuel conduit connected in fluid communication between said fuel storage reservoir and said fuel pumping module, said Peltier-effect device being connected in thermal communication with said low pressure fuel conduit; and

5 a high pressure fuel conduit connected in fluid communication between said fuel pumping module and said engine, said Peltier-effect device being connected in thermal communication with said high pressure fuel conduit.

10 24. (Original) The fuel system of claim 19, wherein:

said marine propulsion device is attachable to a marine vessel.

25. (Original) The fuel system of claim 24, further comprising:

a water pump connected in fluid communication with said Peltier-effect device to cause 15 said stream of water to flow from a body of water, on which said marine vessel is operable, through said secondary heat exchanger.

26. (Original) The fuel system of claim 19, further comprising:

20 a fuel rail connected in fluid communication with said fuel storage reservoir to distribute said fuel to a plurality of cylinders of said engine.

27. (Original) The fuel system of claim 26, further comprising:

a fuel filter connected in fluid communication between said fuel storage reservoir and said engine.

25

28. (Original) The fuel system of claim 19, wherein:

said marine propulsion device is an outboard motor.

29. (Original) The fuel system of claim 19, further comprising:

a heat exchange conduit connected in thermal communication with said Peltier-effect device to direct a flow of said fuel through said heat exchange conduit in thermal communication with a cold side of said Peltier-effect device.

5 30. (Original) The fuel system of claim 20, wherein:

 said fuel pumping module comprises a lift pump and a high pressure pump.

31. (Original) The fuel system of claim 30, wherein:

 10 said lift pump is connected in fluid communication between said fuel pumping module and said fuel storage reservoir; and

 said high pressure pump is connected in fluid communication between said fuel pumping module and said engine.

32. (Original) A fuel system for a marine propulsion device, comprising:

15 an engine;

 a fuel storage reservoir configured to contain fuel for use by said engine, said fuel storage reservoir being connected in fluid communication with said engine;

 a Peltier-effect device disposed in thermal communication with said fuel to remove heat from said fuel;

20 a secondary heat exchanger connected in thermal communication with said Peltier-effect device, said secondary heat exchanger connecting said Peltier-effect device in thermal communication with a stream of water;

 a fuel pumping module connected in fluid communication between said fuel storage reservoir and said engine;

25 a low pressure fuel conduit connected in fluid communication between said fuel storage reservoir and said fuel pumping module, said Peltier-effect device being connected in thermal communication with said low pressure fuel conduit;

 a high pressure fuel conduit connected in fluid communication between said fuel pumping module and said engine, said Peltier-effect device being connected in thermal communication with said high pressure fuel conduit.

33. (Original) The fuel system of claim 32, wherein:

5 said marine propulsion device is attachable to a marine vessel.

34. (Original) The fuel system of claim 33, further comprising:

10 a water pump connected in fluid communication with said Peltier-effect device to cause said stream of water to flow from a body of water, on which said marine vessel is operable, through said secondary heat exchanger.

15 35. (Original) The fuel system of claim 34, further comprising:

10 a fuel rail connected in fluid communication with said fuel storage reservoir to distribute said fuel to a plurality of cylinders of said engine.

20 36. (Original) The fuel system of claim 35, further comprising:

15 a heat exchange conduit connected in thermal communication with said Peltier-effect device to direct a flow of said fuel through said heat exchange conduit in thermal communication with a cold side of said Peltier-effect device.

25 37. (Original) The fuel system of claim 36, wherein:

20 said fuel pumping module comprises a lift pump and a high pressure pump.

38. (Original) The fuel system of claim 37, wherein:

20 said lift pump is connected in fluid communication between said fuel pumping module and said fuel storage reservoir; and

25 said high pressure pump is connected in fluid communication between said fuel pumping module and said engine.